

Machine Tools (Small machining jobs for test set-ups, mock-ups, breadboards, system assembly, etc. Delay and inconvenience of taking small jobs to Main Plant model)

"Rutex" punch press, 18 station, 18BX-5/	\$1,200.00
"Delta" tool grinder, Model 23-418	300.00
"Di-acro" notcher (90' - 6"x6")	245.00
Sensitive drill press (Hamilton, 1/4" capacity	575.00
Milling Machine, Bridgeport Model 12884	2,500.00
Lathe - Swing Harrison-type, 11"x40"	2,550.00
Metal bending brake, "Di-acro", 24" capacity	350.00
Metal cutting shear, "Pexto", 36" capacity	475.00
Rounded Total	\$8,195.00

Darkroom (Test film processing and experimental work on film spectra require darkroom. Some film will be classified and would require security.)

Refrigerator for film storage	\$ 50.00
Sink, SS, 24"x48"x10", #2443-TR, Calumet	200.00
Duck board for sink, SS, Calumet	35.00
Developing Tanks including lids (2), SS Calumet, #S-20	65.00
Storage tanks, 10 gal. cap. (2), SS, T101R	65.00
Power mixer, EC-2	50.00
Regulator	150.00
70mm processing unit - Nikkon	200.00
Misc. items (trays, developers, hypo, clips, etc.)	150.00
Rounded Total	\$ 965.00

Optical Test Equipment (Optical tests of special sensing components and system, and certain experimental activities.)

Challenge Layout Plate, 48" x 120", LO-48120	\$1,304.00
Challenge Plate stand, 48" x 120", 48120S	509.00
Power unit for concentrated arc lamp - Gates, Model 6Z2U	35.00
Knife-edge and pin hole source, PECO	50.00
Micrometer slide, Gaertner, M303A	335.00
Filar eyepiece micrometer - Gaertner, M202	90.00
Binocular Microscope - complete, B&L	550.00
Flash source, Ascarlight (1/10,000) A901	900.00
(1/1000)	150.00
Resolution Targets, High & Low Contrasts - Wal.E.Gurley	200.00
Sine wave target, UGAF 1951	200.00
Set of parallels, 6" x 1" x 1/4", Starret	12.00
Inside micrometers 2" to 32", Starret	65.00
Rounded Total	\$4,490.00

Electronic Equipment (Electronic model shop capability required for breadboarding and system test.)

A) Equipment known to be available in Model Shop

Oscilloscope (2) Tektronix 535 or 545 H-P 130A	\$4,000.00
Audio Oscillator, H-P 200CD	160.00
Counter, H-P 522B	1,000.00
Voltmeter, H-P 400D	230.00
Oscilloscope, H-P 120A	450.00
Wave Analyzer, GR 736A	1,400.00
Distortion Analyzer, HP 330 B	410.00
Multimeter (3) Simpson 260	150.00
Voltmeter (VTVM) (2) RCA Volohmyst	150.00
Servo Analyzer, Servo Corp. 1100A	2,000.00
Oscilloscope Camera, Dumont	250.00
Voltmeter, D.C. VTVM Hillivac	150.00
Microvolter, G.R. 546 C	150.00
Watt Meter, Weston 433	50.00
Ammeter - A.C., Weston 433	50.00
Resistance Decades (4) G.R.	200.00
Capacity Decades (4) G.R.	200.00
Pulac Generator, Tektronix 161	100.00
Square Wave Generator, Tektronix 105	400.00
Freq. Changer, Sorenson FCR-250	300.00
Variacs (2) G.R. VI9	70.00
Impedance Bridge, G.R. 1650-A	440.00
Transistor Tester, Paco	50.00
Oven,	300.00
Power Supply (2), 200-500V, 100 M	500.00
Power Supply (2), 400H, 120V 31	400.00
Recorders (2), Brush	2,000.00
Rounded Total	\$15,540.00

B) Equipment probably required regardless of location

Servo Bridge, Theta	\$ 500.00
R.F.I. Meter, Stoddart NM-30A (AM/URM-47)	2,000.00
R.F.I. Meter, " IM-50A (AM/URM-17)	2,000.00
Shake Table, Ling	4,000.00
Power Supply (3), 20V D.C., 5A	1,200.00
Oscilloscope, Hughes Mahoscope	2,000.00
Rounded Total	\$12,700.00

ROUNDED GRAHND TOTAL
LIST #2

\$41,870.00

EJM/ca

GRAND TOTAL
LISTS #1 & 2

\$61,136.00